PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-158920
(43)Date of publication of application : 18.06.1996

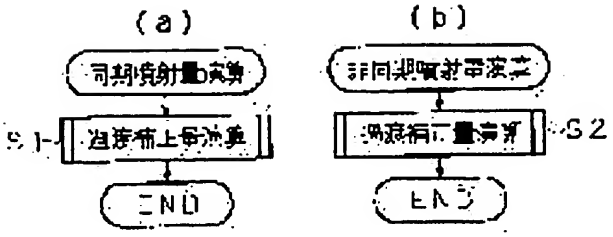
(51)Int.CI. F02D 41/18
F02D 41/10
F02D 41/34
F02D 45/00

(21)Application number : 06-306298
(22)Date of filing : 09.12.1994

(71) Applicant : FUJITSU TEN LTD
(72)Inventor : ARITA HIROSHI
FUJIMOTO MASAHIKO
YAGI KIYOSHI
TAKAHASHI MINORU

(54) CORRECTING CONTROL DEVICE DURING TRANSITION PERIOD OF ELECTRONIC FUEL INJECTION

(57)Abstract:
PURPOSE: To keep a stoichiometric air-fuel ratio even at asynchronous injection by anticipating intake pipe pressure for the calculation of the amount of asynchronous fuel injection by which fuel that is insufficient at synchronous injection is injected during sudden acceleration.
CONSTITUTION: In correcting control during the transition period of electronic fuel injection, the same routine is employed in the computation of corrections at both synchronous and asynchronous injection timing, and computation of the corrections is executed (S1, S2); i.e., transient corrections are computed at an interval of 360° CA in the case of synchronous injection, and if there is further variation in the variation of intake pipe pressure as a result of sudden acceleration, asynchronous injection is performed. In this case, the previous and current intake pipe pressures are periodically compared, and if the current intake pipe pressure becomes greater than the previous one by a predetermined amount or more, sudden acceleration is recognized and then asynchronous injection is performed. The amount of injection in this case is determined through the estimation of intake pipe pressure from variation in the previous intake pipe pressure as in the case of synchronous injection, thus a deviation from a stoichiometric air-fuel ratio is avoided.



LEGAL STATUS

[Date of request for examination]	13.07.1995
[Date of sending the examiner's decision of rejection]	
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]	
[Date of final disposal for application]	
[Patent number]	3066889
[Date of registration]	19.05.2000
[Number of appeal against examiner's decision of rejection]	
[Date of requesting appeal against examiner's decision of rejection]	
[Date of extinction of right]	